

Glasroc F FLAMELINE

Product data sheet

Introduction

Characteristics

Glasroc F FLAMELINE consists of gypsum incorporating a tissue of glass fibre immediately below the surface of the board. The core is reinforced with glass fibre rovings. Available in square edge only.

Applications

For use in the British Gypsum Flamelyner system giving up to 120 minutes fire resistance.

Board colour

- White - Face.
- White - Reverse.

Board printing

Face - None.
Edge - None.
Reverse - Product name, board thickness and production code.

Board range

Width mm	Length mm	Edge type
6mm board		
		Kg/m ² = 6.0 R (m ² K/W) = 0.02
600	1200	S/E
	2400	S/E
10mm board		
		Kg/m ² = 8.5 R (m ² K/W) = 0.03
600	2400	S/E

S/E = Square edge.

Board performance

Fire protection

The surfaces of Glasroc F FLAMELINE are designated Class 0 and non-combustible (for the purposes of the national Building Regulations). Please refer to the table below.

Fire resistance

Please refer to WHITE BOOK section 4 – Flamelyner industrial fire resistant lining system.

Reaction to fire test performance

Standard	Performance
BS 476: Part 4: 1970 (1984) Non-combustibility test for materials	Non-combustible
BS 476: Part 6: 1989 Method of test for fire propagation for products	Index of performance (I) not exceeding 12 and a sub-index (i1) not exceeding 6
BS 476: Part 7: 1997 Surface spread of flame tests for materials	Class 1
EN 15283-1	A1

Thermal conductivity

 Glasroc F FLAMELINE - 0.286W/mK.

Limitations of use

Glasroc F FLAMELINE is unsuitable for use in areas subject to continuously damp or humid conditions and must not be used to isolate dampness. Glasroc F boards are not suitable for use in temperatures above 49°C, but can be subjected to freezing conditions without risk of damage.

Effect of condensation

The thermal insulation and ventilation requirements of national Building Regulations aim to reduce the risk of condensation and mould growth in new buildings. However, designers should take care to eliminate all possibility of problems caused by condensation, particularly in refurbishment projects. For further information please refer to WHITE BOOK section 2.3 – Thermal insulation and condensation, available to download from the British Gypsum website www.british-gypsum.com

Installation

General

It is important to observe appropriate health and safety legislation when working on site i.e. personal protective clothing and equipment, etc. The following notes are intended as general guidance only. In practice, consideration must be given to design criteria requiring specific project solutions.

Glasroc F FLAMELINE should be stored on a firm, flat and level surface. If the boards are temporarily stored outside they should be kept clear of the ground and securely covered with an anchored polythene sheet or tarpaulin to protect from dampness and inclement weather.

Handling

Manual off-loading of this product should be carried out with care to avoid unnecessary strain. For further information please refer to the Manual Handling section of the **SITE BOOK**, or Manual Handling Guide, available to download from the British Gypsum website www.british-gypsum.com

Cutting

This product may be cut using a plasterboard saw or by scoring with a sharp knife and snapping the board over a straight edge. Holes for switch or socket boxes should be cut out before the boards are fixed using a utility saw or sharp knife. When cutting boards, power and hand tools should be used with care and in accordance with the manufacturers' recommendations. Power tools should only be used by people who have been instructed and trained to use them safely. Appropriate personal protective equipment should be used.

Fixing

For information on fixing this product please refer to the appropriate **WHITE BOOK** and **SITE BOOK** sections.

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Health & Safety

This information reflects typical values and is not a product specification.

1. Identification of the substances / preparation and company

Glasroc F FLAMELINE

Supplier British Gypsum
East Leake
Loughborough
Leicestershire
LE12 6HX

Telephone 08705 456123

Recommended uses: Glasroc F FLAMELINE is used for internal linings in buildings.

2. Composition / information on ingredients

General composition: Calcium sulphate dihydrate with a glass fibre tissue immediately below the surface of the board on both sides and a core reinforced with glass fibre rovings.

3. Hazards identification

THE MOST IMPORTANT HAZARDS ARE:

These products are **not** classified as dangerous according to CHIP.

Dust from sawing or sanding may irritate the respiratory system, skin and eyes.

4. First aid measures

Eye contact Wash eyes with clean water.

Skin contact Wash thoroughly with soap and water.

Ingestion DO NOT INDUCE VOMITING. Rinse out mouth thoroughly and give plenty of water.

Inhalation If irritation occurs, remove person to fresh air.

General Get medical attention if any symptoms persist.

5. Fire fighting measures

The products do not pose a fire hazard. However, some packaging materials may burn.

Suitable extinguishing media – water, foam, carbon dioxide or dry powder.

6. Accidental release measures

Not applicable.

7. Handling and storage

Use – Minimise dust generation when sawing or sanding in poorly ventilated places. Avoid eye contact - see Section 8 for recommended personal protective equipment and Section 3 for hazards identification.

Glasroc F FLAMELINE will not support body weight between rafters, joints or frame members.

Manual handling – Sheets of Glasroc F FLAMELINE can be unwieldy, use an appropriate lifting technique. The weight of each sheet can vary between products. For manual handling purposes assume the following nominal weights:

Glasroc F FLAMELINE weights

Board	Board thickness mm	Board width mm	Board length mm	Board weight kg	Pallet weight tonnes
Glasroc F FLAMELINE	6	600	1200	4	0.2
	6	600	2400	9	0.5
	10	600	2400	12	0.6

NB All weights are approximate.

Mechanical handling – The dimensions of the pallet vary depending on the product size. To avoid potentially overloading a lift truck, it is important that any effect on load centres is considered. The nominal weight of each palletised load is given within the weights table in this section of this document.

Storage – Store on pallets supplied in dry conditions. To maintain stability, place pallets on firm level ground, and ensure that stacks are both level and vertical.

NB When working with individual boards, only work from a single pallet, not a stack.

Pallet stacking heights

The maximum stack heights on level concrete floors and vertical stacks are as follows:

Board width mm	Board length mm	Pallet stack height packs
600	1200	6
600	2400	6

8. Exposure control / personal protection

Workplace exposure limit

Substance	Total inhalable	Respirable
Plaster	10mg/m ³ 8hr TWA	4mg/m ³ 8hr TWA
Quartz (silica)		0.1mg/m ³ 8hr TWA
Man Made Mineral Fibres (MMMMF)	5mg/m ³ 8hr TWA (gravimetric method)	

NB HSE guidance - control exposure to <0.1mg/m³ (8 hr TWA).

Personal protection

Respiratory Use in a well ventilated area. Where practicable use engineering methods to control dust levels. If the exposure standards could be exceeded use a disposable face mask complying with *EN 149 FFP2*.

Skin Wear appropriate clothing to protect against repeated or prolonged skin contact.

Eye If there is a risk of material entering the eye, wear eye protection to *BS EN 166*.

9. Physical and chemical properties

Appearance Flat sheet boards in different lengths and thicknesses, with a square edge.

10. Stability and reactivity

No special physical conditions need to be avoided. No specific restrictions regarding incompatible materials.

11. Toxicology information

No known toxicological effects.

12. Ecological information

Stable product with no known adverse environmental effects.

13. Disposal consideration

Waste from gypsum plasterboard products is normally classified as 'non-hazardous, non-inert' and is fully recyclable. Please refer to the British Gypsum Plasterboard Recycling Service literature or contact the Plasterboard Recycling Customer Service Centre on 0800 6335040 for details. Other methods of disposal are available. Always seek the advice of a trained and competent professional.

14. Transport information

Not classified as hazardous for transportation.

15. Regulatory information

Not classified under the CHIP regulations.

16. Other information

Control of Substances Hazardous to Health Regulations
The Manual Handling Operations Regulations
HSE Guidance Note EH40: Workplace Exposure Limits
Gypsum Wastes – Environment Agency Information Sheet
The British Gypsum **WHITE BOOK**
The British Gypsum **SITE BOOK**
The British Gypsum website: british-gypsum.com

Note to user: This Product Data Sheet does not constitute a workplace risk assessment for COSHH.

There are a number of situations where the approach to manual handling of British Gypsum products should be considered. For further guidance, please refer to the Manual Handling Section of the **SITE BOOK**, or Manual Handling Guide, available to download from the British Gypsum website www.british-gypsum.com

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For a comprehensive and up-to-date library of information visit the British Gypsum website at: www.british-gypsum.com

Telephone: 08705 456123

Fax: 08705 456356

E-mail: bgtechnical.enquiries@bpb.com

Training enquiries: 08702 406040



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